

Edward Lannon

Clinical Instructor, Anesthesiology, Perioperative and Pain Medicine

CLINICAL OFFICE (PRIMARY)

- **Pain Management Clinic**

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Bio

CLINICAL FOCUS

- Pain Medicine

ACADEMIC APPOINTMENTS

- Clinical Instructor, Anesthesiology, Perioperative and Pain Medicine

PROFESSIONAL EDUCATION

- Fellowship: Stanford University Adult Psychology Postdoctoral Fellowship (2023) CA
- Internship: University of Mississippi Medical Center Psychology Internship (2020) MS
- PhD Training: University of Tulsa (2020) OK

Publications

PUBLICATIONS

- **Multimodal Deep Graph Learning for Predicting Chronic Pain using EEG and fMRI Resting State Neural Networks**
Wang, Y., Lannon, E., Martelli, D., Bornhoft, K., Orsini, C., Konstantopoulos, C., Altirkawi, O., Law, C., You, S., Weber, K., Mackey, S.
CHURCHILL LIVINGSTONE.2026
- **Impact of Pain Self-Efficacy on Health Outcomes in High-Impact Chronic Pain: A Longitudinal Study.** *The Clinical journal of pain*
You, D. S., Lannon, E., Kim, S., Dildine, T. C., Weber, K. A., Raney, E., Mackey, S. C.
2025
- **Beyond pain intensity: Validating single-item pain bothersomeness measures.** *The journal of pain*
Edwards, K. A., You, D. S., Lannon, E. W., Dildine, T. C., Darnall, B. D., Mackey, S. C.
2025; 31: 105395
- **Innovations in acute and chronic pain biomarkers: enhancing diagnosis and personalized therapy.** *Regional anesthesia and pain medicine*
Mackey, S., Aghaeepour, N., Gaudilliere, B., Kao, M. C., Kaptan, M., Lannon, E., Pfyffer, D., Weber, K.
2025; 50 (2): 110-120
- **Blind Source Separation of Event-Related Potentials Using Recurrent Neural Network.** *IEEE transactions on neural systems and rehabilitation engineering : a publication of the IEEE Engineering in Medicine and Biology Society*
O'Reilly, J. A., Sunthornwiriya-Amon, H., Aparprasith, N., Kittichalao, P., Chairajwong, P., Klai-On, T., Lannon, E. W.
2025; 33: 3271-3280

- **Blind source separation of event-related potentials using a recurrent neural network.** *bioRxiv : the preprint server for biology*
O'Reilly, J. A., Sunthornwiriyaya-Amon, H., Aparprasith, N., Kittichalao, P., Chairajwong, P., Klai-On, T., Lannon, E. W.
2024
- **Assessing Differences in Healthcare Discrimination as a Function of High Impact Chronic Pain and Opioid Use**
Dildine, T. C., Lannon, E., Mackey, S., You, D. S.
CHURCHILL LIVINGSTONE.2024: 37
- **CONSIDERING SOCIOCULTURAL BIASES IN CHRONIC PAIN TREATMENT AND PAIN OUTCOMES**
Dildine, T., Edwards, K. A., Lannon, E., Darnall, B., Mackey, S. C.
OXFORD UNIV PRESS INC.2024: S127
- **Establishing the interpretability and utility of the 4-item BriefPCS.** *Scientific reports*
You, D. S., Cook, K. F., Lannon, E. W., Ziadni, M. S., Darnall, B. D., Mackey, S. C.
2023; 13 (1): 21272
- **EEG Power Spectrum Predict Concurrent And Future Depression In Chronic Pain**
Lannon, E., You, D. S., Mackey, S.
CHURCHILL LIVINGSTONE.2023: 76-77
- **Exploration of the trait-activation model of pain catastrophizing in Native Americans: results from the Oklahoma Study of Native American pain risk (OK-SNAP).** *Scandinavian journal of pain*
Lannon, E. W., Hellman, N., Huber, F. A., Kuhn, B. L., Sturycz, C. A., Palit, S., Payne, M. F., Guereca, Y. M., Toledo, T., Shadlow, J. O., Rhudy, J. L.
2022
- **Predicting pain among female survivors of recent interpersonal violence: A proof-of-concept machine-learning approach.** *PloS one*
Lannon, E., Sanchez-Saez, F., Bailey, B., Hellman, N., Kinney, K., Williams, A., Nag, S., Kutcher, M. E., Goodin, B. R., Rao, U., Morris, M. C.
2021; 16 (7): e0255277